

## 4. Water Pump

### A: REMOVAL

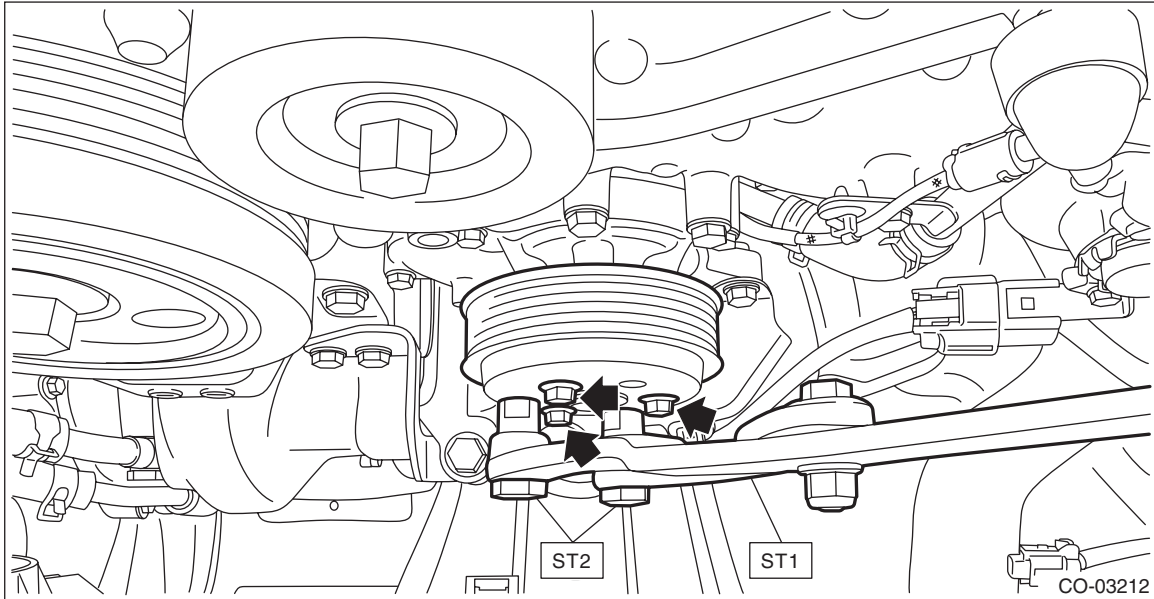
#### 1. WATER PUMP PULLEY

1) Remove the V-belts. <Ref. to ME(H4DOTC)-75, REMOVAL, V-belt.>

2) Remove the water pump pulley using the ST.

ST1 18355AA000 PULLEY WRENCH

ST2 18334AA030 PULLEY WRENCH PIN SET



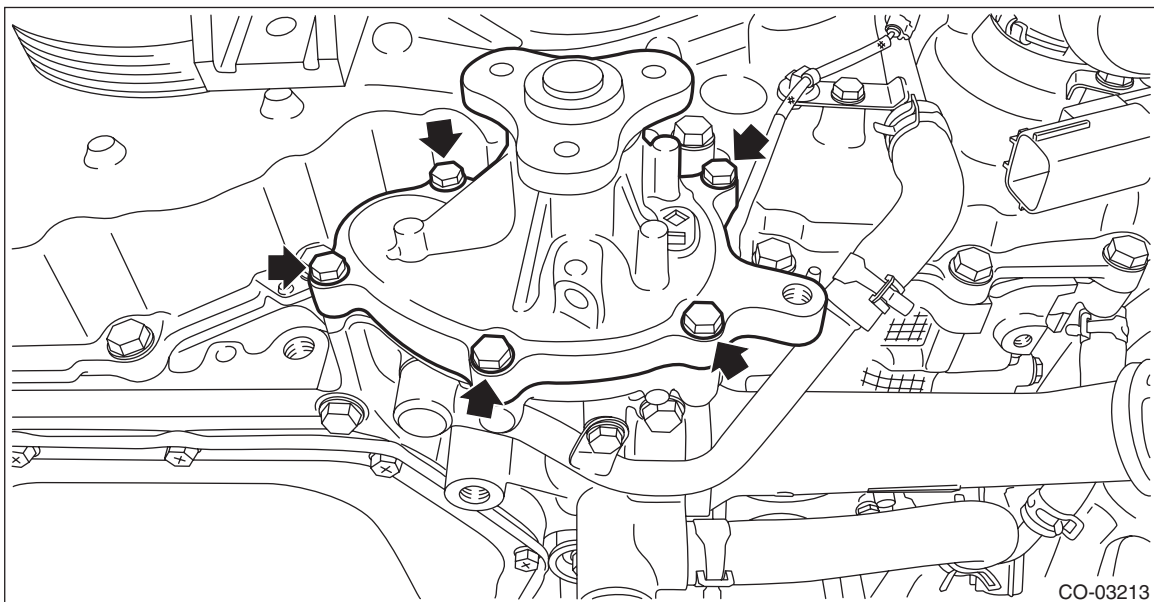
#### 2. WATER PUMP

1) Disconnect the ground cable from battery.

2) Remove the water pump pulley. <Ref. to CO(H4DOTC)-16, WATER PUMP PULLEY, REMOVAL, Water Pump.>

3) Remove the front exhaust pipe. <Ref. to EX(H4DOTC)-7, REMOVAL, Front Exhaust Pipe.>

4) Remove the water pump from the oil pan upper.



## B: INSTALLATION

### 1. WATER PUMP PULLEY

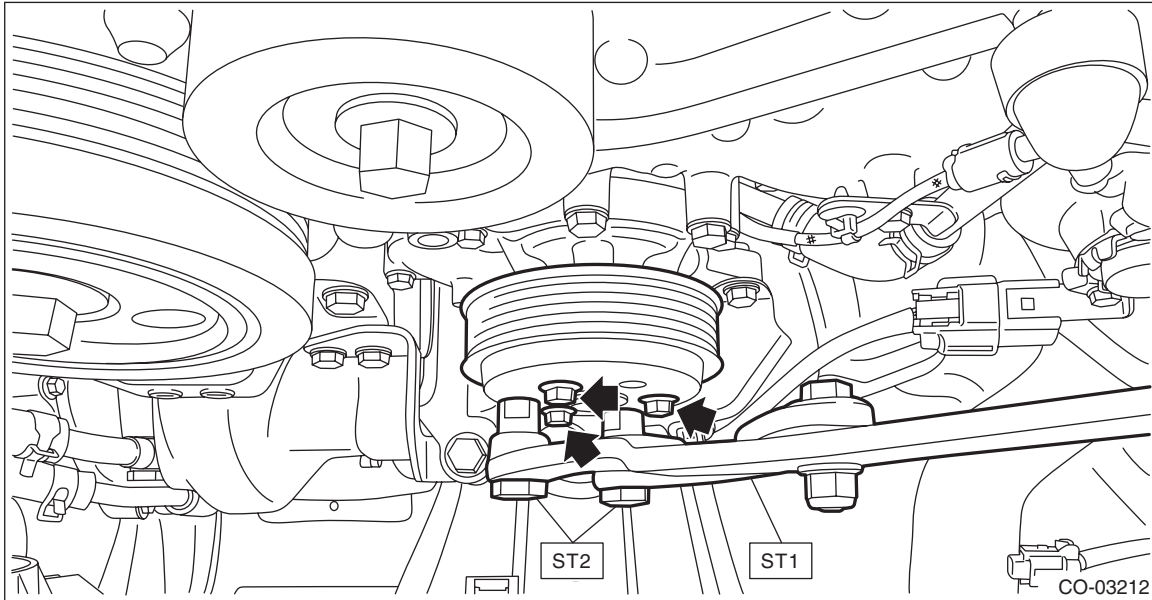
1) Using the ST, install the water pump pulley.

ST1 18355AA000 PULLEY WRENCH

ST2 18334AA030 PULLEY WRENCH PIN SET

**Tightening torque:**

**14 N·m (1.4 kgf-m, 10.3 ft-lb)**



2) Install the V-belts. <Ref. to ME(H4DOTC)-78, INSTALLATION, V-belt.>

### 2. WATER PUMP

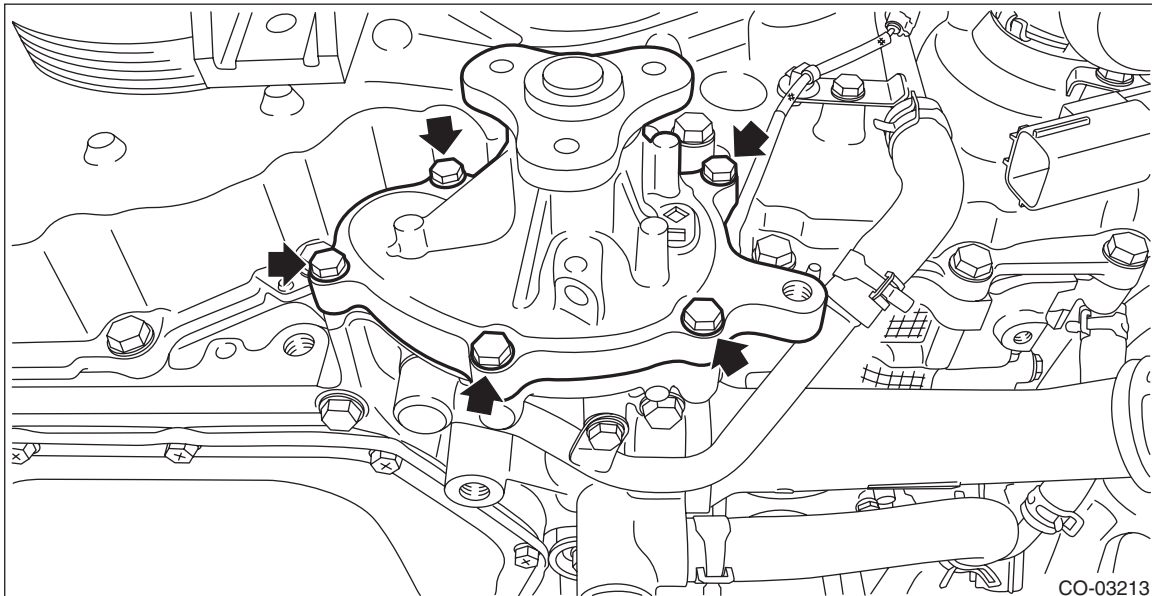
1) Install the water pump to oil pan upper.

NOTE:

Use a new gasket.

**Tightening torque:**

**6.4 N·m (0.7 kgf-m, 4.7 ft-lb)**



2) Install the front exhaust pipe. <Ref. to EX(H4DOTC)-15, INSTALLATION, Front Exhaust Pipe.>

# Water Pump

## COOLING

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- 3) Install the water pump pulley. <Ref. to CO(H4DOTC)-17, WATER PUMP PULLEY, INSTALLATION, Water Pump.>
- 4) Connect the battery ground terminal.
- 5) Fill engine coolant. <Ref. to CO(H4DOTC)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

## **C: INSPECTION**

- 1) Check that the water pump pulley does not have deformation, cracks and any other damage.
- 2) Check the water pump bearing for smooth rotation.
- 3) Make sure the impeller is not abnormally deformed or damaged.